



# Zebra® 110PAX4™ 170PAX4™

Versatile, 4- and 6-Inch-Wide  
OEM Print Engines

## **PAX4™ print engines deliver superior performance and reliability.**


The 110PAX4 and the 170PAX4 print engines are the performance leaders in mission-critical print-and-apply applications. With increased throughput and enhanced connectivity, including wireless and Ethernet, along with all-metal construction and outstanding print quality, PAX4 print engines deliver outstanding value, reliability, and durability.

## **Better Than Ever for High-Volume Needs**

With improved serviceability, faster first-label-out time, and a fully functional real-time clock, the PAX4 print engines deliver what it takes to make print-and-apply solutions super performers. European voltage requirements are now met with the 28V I/O option.

## **Real-time Connectivity and Control**

Reduce downtime and increase productivity. Using advanced ZebraLink Solutions, PAX4 print engines offer instant status alert messages and centralized control, allowing you to troubleshoot quickly and keep production lines moving.



Designed for high-speed, high-throughput applications, both the 110PAX4 (for 4 inch printing) and the 170PAX4 (for print widths up to 6 inches wide) are ideal for print/apply systems including:

- Mission-critical industrial applications
- High-volume product, carton, case, and pallet labeling
- Packaging



# 110PAX4 170PAX4



## Specifications at a Glance\*



### 110PAX4†

#### PRINTER SPECIFICATIONS

Print width: 4.1"/104 mm  
Print length:  
Maximum non-continuous media: 39"/990 mm  
Maximum continuous media: 100"/2540 mm

#### PHYSICAL CHARACTERISTICS

Width: 9.6"/245 mm  
Height: 11.8"/300 mm  
Depth: 16.4"/417 mm  
Weight: 36.5 lbs./15.6 kg

#### MEDIA CHARACTERISTICS

Media width (label and liner):  
.625"/16 mm to 4.5"/114 mm  
Media thickness (label and liner):  
.0058"/0.148 mm to 0.010"/0.254 mm

#### MEDIA TYPES

Continuous, die-cut or black mark

#### RIBBON CHARACTERISTICS

Outside diameter: 4.0"/101.6 mm O.D.  
Standard length: 2,955/900 m  
Ratio: Ribbon is recommended to be at least as wide as media  
Ribbon setup: Ribbon wound coated-side out  
Core I.D.: 1.0"/25.4 mm I.D. core

### 170PAX4

#### PRINTER SPECIFICATIONS

Print width: 6.6"/168 mm  
Print length:  
Maximum non-continuous media: 39"/990 mm  
Maximum continuous media: 150"/3810 mm

#### PHYSICAL CHARACTERISTICS

Width: 9.6"/245 mm  
Height: 11.8"/300 mm  
Depth: 18.3"/465 mm  
Weight: 35.5 lbs./16.1 kg

#### MEDIA CHARACTERISTICS

Media width (label and liner):  
3.0"/76 mm to 7.1"/180 mm  
Media thickness (label and liner):  
.003"/.076 mm to .012"/305 mm

#### MEDIA TYPES

Continuous, die-cut or black mark

#### RIBBON CHARACTERISTICS

Outside diameter: 4.0"/101.6 mm O.D.  
Standard length: 2,955/900 m  
Ratio: Ribbon is recommended to be at least as wide as media  
Ribbon setup: Ribbon wound coated-side out  
Core I.D.: 1.0"/25.4 mm I.D. core

### STANDARD FEATURES

Resolution: 203 dpi/8 dots per mm;  
300 dpi/12 dots per mm  
Memory: 10 MB DRAM; 2 MB non-volatile Flash  
Print methods: Thermal transfer or direct thermal  
Print Speed: 12"/305 mm per second (203 dpi)  
8"/203 mm per second (300 dpi)  
Media Sensors: Transmissive and reflective  
Orientation: Right-hand or left-hand  
Industrial all-metal construction  
10 MB DRAM  
2 MB non-volatile Flash Memory  
Applicator interface  
Multilingual backlit LCD  
Enhanced Alert notification—monitors  
printhead condition  
Multi-level Element Energy Equalizer™ (E3®) for  
superior print quality  
32-bit 133 MHz RISC processor  
Zebra printer driver for Windows® 3.X and  
Windows 95/98/NT/2000  
Real-time clock

### OPERATING CHARACTERISTICS

#### Environmental (Thermal Transfer)

Operating Temp. 31° F/0° C to 105° F/40° C  
Storage Temp. -40° F/-40° C to 160° F/71° C  
Operating Humidity: 20% to 95% non-condensing  
R.H.  
Storage Humidity: 5% to 95% non-condensing R.H.

#### Electrical

Universal power supply with power-factor  
correction 90-264 VAC, 48-62 Hz

#### Agency Approvals

UL-60950 3rd edition, CAN/CSA-C22.2 No 60950-00  
3rd edition, FCC part 15 - Class A, ICES-003,  
EN60950, EN55022-Class A, EN61000-6-2, VCCI,  
CCC

### RELATED PRODUCTS

#### Options and Accessories

PCMCIA cards  
CompactFlash® cards  
Linear PCMCIA cards available 8 MB and 32 MB  
RFID Ready+  
UNICODE  
WGLA through Swiss 721  
Firmware support for downloadable TrueType™  
fonts  
PC memory card  
Additional fonts available

### ZEBRALINK SOLUTIONS

#### Software

ZebraDesigner™ Pro  
ZebraNet™ Bridge Enterprise  
ZebraNet Utilities v 7.0  
Zebra Universal Driver

### Networking

ZebraNet® 10/100 Print Server  
ZebraNet Wireless Print Server

### Firmware

ZPL® II—Universal language for Zebra printers.  
Simplifies label formatting and enables format  
compatibility with other Zebra printers.  
Web View—Enables you to connect and control  
your bar code printer's Web interface using a  
common Web browser.  
Alert—Printers equipped with ZebraNet print  
servers will notify you via any email-enabled,  
wired, or wireless device to  
minimize downtime.

### COMMUNICATIONS AND INTERFACE CAPABILITIES

High-speed bi-directional parallel interface,  
Centronics® compatible.  
High serial interfaces: RS-232C and RS422 with  
DB9F connector  
RS-485 multi-drop capability  
Configured baud rate (110 to 57.6 kB), parity, data  
bits, and stop bits  
Applicator interface with DB15F connector

### BAR CODE SYMBOLOGIES

#### Linear bar codes

Codabar, Code 11, Code 39, code 93, Code 128  
with subsets A/B/C and UCC Case codes, EAN-  
8, EAN-13, Industrial 2-of-5, Interleaved 2-of-5,  
IBST-128, Logmars, MSI, Planet Code, Plessey,  
POSTNET, Standard 2-of-5, UPC-A, UPC-E, UPC  
and EAN 2 or 5 digit extensions

#### 2-Dimensional

Codablock, Code 49, Data Matrix, MaxiCode,  
MicroPDF, PDF417, QR Code and TLC 39

### FONTS AND GRAPHICS

#### Fonts and Character Sets

Bitmap fonts A through H and GS symbols are  
expandable up to 10 times, height and width  
independent  
Smooth scalable font Ø (CG Triumvirate™ Bold  
Condensed) is expandable dot-by-dot, height  
and width independent  
Sets: IBM® Code Page 850 International  
Characters  
Contains UFST® from Agfa monotype Corporation

#### Graphic Features

Supports user-defined fonts and graphics—  
including custom logos

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† Effective March 15, 2005 all 110PAX4 print engines have an RFID Ready option.

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